

REMARKS

Reconsideration of the application in view of the above amendments and the following remarks is requested. Claims 10-17 and 20-32 are in this application. Claims 1-6 have been cancelled. Claims 25-32 have been added to alternately and additionally claim the present invention. Claims 10-17 and 20-24 have been allowed.

Applicant requests the Examiner to indicate whether the formal drawings filed on July 11, 2002 have been approved and entered into the application.

The Examiner rejected claims 1-6 under 35 U.S.C. §103(a) as being unpatentable over Lowrey et al. (U.S. Patent No. 5,581,104) in view of Delage et al. (U.S. Patent No. 6,031,255). The Examiner also rejected claim 2 under 35 U.S.C. §103(a) as being unpatentable over Lowrey et al. and Delage et al. and further in view of Leuschner (U.S. Patent No. 4,724,471). The Examiner further rejected claims 3-5 under 35 U.S.C. §103(a) as being unpatentable over Lowrey et al. and Delage et al. and further in view of Akram (U.S. Patent No. 6,075,288). As noted above, claims 1-6 have been cancelled.

As further noted above, new claims 25-32 have been added. New claim 25 is patentable over the AAPA because the AAPA does not teach or suggest an emitter contact that is wider than the emitter, and a base contact that is thinner than the emitter contact. New claims 26-27, which directly or indirectly depend from new claim 25, are patentable over the AAPA for the same reasons as claim 25.

New claim 28 is patentable over Lowrey et al. in view of Delage et al. because the references do not teach or suggest a heat sink contact connected to the base. New claims 29-32, which directly or indirectly depend from new claim 28, are patentable over Lowrey et al. in view of Delage et al. for the same reasons as claim 28.

09/690,580

AMENDMENT IN RESPONSE TO
(OFFICE ACTION DATED DECEMBER 16, 2002)

PATENT

Thus, for the foregoing reasons, it is submitted that all of the claims are in a condition for allowance. Therefore, the Examiner's early re-examination and reconsideration are respectively requested.

Respectfully submitted,

Dated: 2-18-03

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